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Paper No.: _____

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Inventor(s): Lorne A. Whitehead and Michele Ann Mossman
 Title: SELF-STABILIZED ELECTROPHORETICALLY FRUSTRATED TOTAL
 INTERNAL REFLECTION DISPLAY
 Filed: ~~Herewith~~ 07/24/03
 Date: 23 July 2003

**LIST OF PATENTS AND PUBLICATIONS FOR
 APPLICANT'S INFORMATION DISCLOSURE STATEMENT
 [Form PTO-1449 (Modified)]**

United States Patent Documents

Examiner	ID	Patent No.	Issue Date	Inventor(s)	Class	Sub-Class	Filing Date
RA	AA	3,291,554	13 Dec 1966	Price			
	AB	3,556,638	19 Jan 1971	Banks <i>et al</i>			
	AC	3,571,511	16 Mar 1971	Myer			
	AD	3,612,653	12 Oct 1971	Rajchman			
	AE	3,698,793	17 Oct 1972	Tellerman			
	AF	3,730,608	1 May 1973	Castegnier			
	AG	3,746,785	17 Jul 1973	Goodrich			
	AH	3,796,480	12 Mar 1974	Preston, Jr. <i>et al</i>			
	AI	3,987,668	26 Oct 1976	Popenoe			
	AJ	4,113,360	12 Sep 1978	Baur <i>et al</i>			
	AK	4,135,960	23 Jan 1979	Shuppert <i>et al</i>			
	AL	4,148,563	10 Apr 1979	Herbert			
	AM	4,156,745	29 May 1979	Hatzakis <i>et al</i>			
	AN	4,165,155	21 Aug 1979	Gordon, II <i>et al</i>			
	AO	4,218,302	19 Aug 1980	Dalisa <i>et al</i>			
	AP	4,249,814	10 Feb 1981	Hull <i>et al</i>			
	AQ	4,324,456	13 Apr 1982	Dalisa			
	AR	4,391,490	5 Jul 1983	Hartke			
	AS	4,420,897	20 Dec 1983	Castleberry			
	AT	4,448,622	15 May 1984	Duchane <i>et al</i>			
	AU	4,536,061	20 Aug 1985	Nishimura			
	AV	4,617,608	14 Oct 1986	Blonder <i>et al</i>			
RA	AW	4,714,326	22 Dec 1987	Usui <i>et al</i>			

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AA	AX	4,723,834	9 Feb 1988	Van de Venne <i>et al</i>				
	AY	4,867,515	19 Sep 1989	Normandin				
	AZ	4,895,428	23 Jan 1993	Nelson <i>et al</i>				
	BA	5,045,847	3 Sep 1991	Tarui <i>et al</i>				
	BB	5,099,343	24 Mar 1992	Margerum <i>et al</i>				
	BC	5,128,782	7 Jul 1992	Wood				
	BD	5,147,519	15 Sep 1992	Legge				
	BE	5,221,987	22 Jun 1993	Laughlin				
	BF	5,235,463	10 Aug 1993	Brousseau <i>et al</i>				
	BG	5,283,148	1 Feb 1994	Rao				
	BH	5,301,009	5 Apr 1994	Shurtz, II				
	BI	5,317,667	31 May 1994	Weber <i>et al</i>				
	BJ	5,319,491	7 Jun 1994	Selbrede				
	BK	5,396,350	7 Mar 1995	Beeson <i>et al</i>				
	BL	5,397,669	14 Mar 1995	Rao				
	BM	5,425,710	20 Jun 1995	Khair <i>et al</i>				
	BN	5,455,709	3 Oct 1995	Dula, III <i>et al</i>				
	BO	5,504,618	2 Apr 1996	Hirs <i>et al</i>				
	BP	5,530,053	25 Jun 1996	Rao <i>et al</i>				
	BQ	5,530,067	25 Jun 1996	Rao <i>et al</i>				
	BR	5,555,327	10 Sep 1996	Laughlin				
	BS	5,555,558	10 Sep 1996	Laughlin				
	BT	5,561,541	1 Oct 1996	Sharp <i>et al</i>				
	BU	5,566,260	15 Oct 1996	Laughlin				
	BV	5,598,280	28 Jan 1997	Nishio <i>et al</i>				
	BW	5,608,837	4 Mar 1997	Tai <i>et al</i>				
	BX	5,731,900	24 Mar 1998	Milner				
	BY	5,745,632	28 Apr 1998	Dreyer				
	BZ	5,841,916	24 Nov 1998	Laughlin				
	CA	5,880,886	9 Mar 1999	Milner				
	CB	5,959,777	28 Sep 1999	Whitehead				
	CC	5,999,307	7 Dec 1999	Whitehead				
	CD	6,064,784	16 May 2000	Whitehead <i>et al</i>				
	CE	6,088,013	11 Jul 2000	Montour <i>et al</i>				
	CF	6,215,920	10 Apr 2001	Whitehead <i>et al</i>				
	CG	6,304,365	16 Oct 2001	Whitehead				
AA	CH	6,384,979	7 May 2002	Whitehead <i>et al</i>				

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AA	CI	6,437,921	20 Aug 2002	Whitehead			
AA	CJ	6,452,734	17 Sep 2002	Whitehead <i>et al</i>			
AA	CK	6,562,889	13 May 2003	Rao			

Foreign Patent Documents

Examiner	ID	Publn. No.	Publn. Date	Country/Inventor	Class	Sub-Class	Translation?
AA	DA	JP 54057576	9 May 1979	JP/Hayakawa Gomu KK			
	DB	JP 55-525	5 Jan 1980	JP/Takano			
	DC	0023741A1	11 Feb 1981	EP/Philips NV			
	DD	JP 59078816	7 May 1984	JP/Showa Electric Wire Co. Ltd.			
	DE	JP 60038130	27 Feb 1985	JP/Asahi Chem. Ind. Co. Ltd.			
	DF	JP 60-185918	21 Sept 1985	JP/Usui <i>et al</i>			
	DG	EP 204427A	10 Dec 1986	EP/Dubrow			
	DH	DE 3720861A	16 Mar 1989	DE/Herrmann			
	DI	JP 2-254405	15 Oct 1990	JP/Atsuta <i>et al</i>			
	DJ	GB 2265024A	15 Sep 1993	GB/Proudley			
	DK	JP 5-281481	29 Oct 1993	JP/Tsumara <i>et al</i>			
	DL	4343808A1	29 Jun 1995	DE/Lei			
	DM	WO 95/31738	23 Nov 1995	WO/Miller <i>et al</i>			
	DN	EP 728799/A1	28 Aug 1996	EP/Mina <i>et al</i>			
	DO	WO 97/31276	28 Aug 1997	WO/Milner			
	DP	EP 797127A	24 Sep 1997	EP/Ohki			
	DQ	0807832A2	19 Nov 1997	EP/Omron Tateisi Electronics Co			
	DR	WO 99/12069	11 Mar 1999	WO/Whitehead			
	DS	WO 99/15595	1 Apr 1999	WO/Blum <i>et al</i>			
	DT	WO 99/28890	10 Jun 1999	WO/Van Gorkom			
	DU	WO 00/17477	30 Mar 2000	WO/Milner			
AA	DV	WO 01/37627	31 May 2001	WO/Whitehead <i>et al</i>			

Other Art

Examiner	ID	Author, Title, Date, Pertinent Pages, etc.
AA	FA	Dalisa, A., "Electrophoretic Display Technology," IEEE Transactions on Electron Devices, Vol. 24, 827-834, 1977

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<i>MH</i>	FB	Mürau <i>et al.</i> , "The understanding and elimination of some suspension instabilities in an electrophoretic display," J. Appl. Phys., Vol. 49, No. 9, September 1978, pp. 4820-4829
	FC	Harbour <i>et al.</i> , "Subdivided Electrophoretic Display", Xerox Disclosure Journal, Vol.4, No.6, November 1979, page 705
	FD	L.A. Whitehead, "Simplified Ray Tracing in Cylindrical Systems", Applied Optics, Vol.21, No.19, pp.3536-3538, 1 October, 1982
	FE	Carlson <i>et al.</i> , "Surface Property Changes Induced In Poly(1-Hexene) Elastomer By High Energy Ion Irradiation", Proc. 4th Intl. Conf. on Ion Beam Modification of Materials, Ithaca, NY, 16-20 July, 1984 pp. 507-512
	FF	Remillard <i>et al.</i> , "Evanescent-wave scattering by electrophoretic microparticles: a mechanism for optical switching", Applied Optics, Vol.34, No.19, 1 July, 1995, pp.3777-3785
	FG	George Kotelly, "Patented fiber switch revs speed, cuts cost", in "Lightwave" October, 1995 web site publication of PennWell Publishing Co., Tulsa, OK
	FH	M. Mohammadi, "Colloidal Refractometry: Meaning and Measurement of Refractive Index for Dispersions; The Science That Time Forgot", Advances in Colloid and Interface Science 62 (1995) 17-29
	FI	Qin <i>et al.</i> , "Elastomeric Light Valves", Advanced Materials 1997, 9, No. 5, pp. 407-410.
	FJ	3M Fluorinert™ Electronic Liquid brochure, http://www.3m.com/fluids/florinrt.html , September, 1998
	FK	Neufeldt, Victoria. Webster's New World Dictionary of American English, 3rd College Edition. Webster's New World, New York, New York, page 857. 31 Dec. 1998
	FL	Drzaic, P., <i>et al.</i> , "A Printed and Rollable Bistable Electronic Display," Society for Information Display Symposium Proceedings, 1131-1134, 1998
	FM	Nakamura, E. <i>et al.</i> , "Development of Electrophoretic Display Using Microencapsulated Suspension," Society for Information Display Symposium Proceedings, 1014-1017, 1998
	FN	Mossman, M.A. <i>et al.</i> , "New Reflective Display Technique Based on Total Internal Reflection in Prismatic Microstructures," Society for Information Display International Research Display Conference Proceedings, 311-314, 2000
	FO	"Krytox® 157 FS Fluorinated Oil," 2000 brochure of E.I. du Pont de Nemours and Company
	FP	Kambe <i>et al.</i> , in "Refractive Index Engineering of Nano-Polymer Composites," Materials Research Society Conference, San Francisco, April 16-20, 2001
	FQ	Mossman, M.A. <i>et al.</i> , "New Reflective Display Technique Based on Total Internal Reflection and Subtractive Colour Filtering," Society for Information Display Symposium Proceedings, 1054-1057, 2001
<i>MH</i>	FR	Mossman, M.A. <i>et al.</i> , "New Method for Obtaining Long-Term Image Quality in a TIR-Based Electrophoretic Display," Society for Information Display, International Research Display Conference Proceedings, 851-854, October 1-4, 2002

Examiner:

R. Hanig

Date Considered:

11/10/04

EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.